

Chaculant

Attorney Docket No. SAM-0219



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

BOX PATENT APPLICATION Assistant Commissioner for Patents Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith	for filing is the	patent application of

Inventor(s): Jae-Phil Boo Soo-Young Tak Kwang-Bok Kim Kyung-Hyun Kim

Kyung-Hyun Kim Chang-Ki Hong

For (title): METHOD OF FABRICATING A NON-VOLATILE MEMORY DEVICE HAVING A TUNNEL-INSULATING LAYER INCLUDING MORE THAN

TWO PORTIONS OF DIFFERENT

THICKNESS

Type of Application This new application is for

Original (nonprovisional)

□ Design

☐ Plant

☐ Divisional.
☐ Continuation.

☐ Continuation-in-part (C-I-P).

2. Benefit of Prior Application(s)

The new application being transmitted claims the benefit of prior Korean application no. 00-39609.

3. Papers Enclosed

9 Pages of specification

____2_ Pages of claims

____l__ Page of Abstract

____6__ Sheets of drawings

informal
Page of Cover Sheet

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CERTIFICATE OF MAILING 37 C.F.R. § 1.10 all" Mailing Label Number EL79931396

"Express Mail" Mailing Label Number ELT9931364US.

hereby certify that this paper or fee is being deposited with the United States Portal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to BOX PATENT APPLICATION, Assistant Commissioner for Patents, Washingslon, DC 2003.1.

LISA SANDERS



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Filing Date:

Jae-Phil Boo, et al. Herewith

Title:

METHOD OF FABRICATING A NON-VOLATILE MEMORY DEVICE HAVING A TUNNEL-INSULATING LAYER INCLUDING MORE THAN

TWO PORTIONS OF DIFFERENT THICKNESS. CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.10

"Express Mail" Mailing Label Number EL799313964US I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addresses" service under 37 CFR 1. 10 on BOX PATENT APPLICATION, Assistant Commissioner for Patents, Washington, DC 2027. indicated below and is addressed to

Lisa Sanders

BOX PATENT APPLICATION

Assistant Commissioner for Patents Washington, DC 20231

Sir

TRANSMITTAL LETTER

Enclosed herewith for filing in the above-identified patent application please find the following listed items:

- New Application Transmittal: 1.
- 2. New Patent Application;
- 3. Executed Declaration, Petition and Power of Attorney;
- 4 Six (6) Sheets of Formal Drawings;
- 5. Certified Copy of Priority Document - Korean Application No. 00-39609;
- Check in the amount of \$710.00 to cover application filing fee; 6.
- 7. Assignment Recordation Form Cover Sheet - PTO-1595;
- 8. Executed Assignment; Check in the amount of \$40.00 to cover Assignment Recordation fee; and
- 10 Return Postcard

In connection with the foregoing matter, please charge any additional fees which may be due, or credit any overpayment, to Deposit Account Number 50-1798. A duplicate copy of this letter is provided for this purpose.

Respectfully submitted.

Eleven Beacon Street, Suite 605 Boston, MA 02108

Telephone: (617) 994-4900 Facsimile: (617) 742-7774 J:\SAM\0219\transapp.wpd

Registration Number 36,610 Attorney for Applicant

	The enclosed drawing(s) are photograph(s), and there is also attached a "PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)." 37 C.F.R. 1.84(b).						
4.	Addit	litional papers enclosed					
		Preliminary Amendment Information Disclosure Statement (37 C.F.R. 1.98) Form PTO-1449 (PTO/SB/08A and 08B) Copies of cited references Declaration of Biological Deposit Submission of "Sequence Listing," computer readable copy and/or amendment pertaining thereto for biotechnology invention containing nucleoticle and/or amino acid sequence. Authorization of Altorney(s) to Accept and Follow Instructions from Representative Special Comments					
5.	Other: Return Postcard. Declaration or oath						
	⊠	Enclosed Unexecuted Escuted by inventors legal representative of inventor(s). 37 CFR 1.42 or 1.43. joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached. This is the petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 is also attached. See item 12 below for fee. Not Enclosed Application is made by a person authorized under 37 C.F.R. 1.41 (c) on behalf of all the above named inventor(s). Showing that the filting is authorized.					
6.	Assig	ment					
	An assignment of the invention to Samsung Electronics Co., Ltd.						

is attached. A separate □ "COVER SHEET FOR ASSIGNMENT (DOCUMENT)
 ACCOMPANYING NEW PATENT APPLICATION" or ☑ FORM PTO 1595 is also attached.

will follow.

7. Certified Copy

Certified copy(ies) of application(s)

Korea	00-39609	November 7, 2000	
Country	Appln. no.	Filed	
Country	Appin. no.	Filed	
Country	Apple no	Filed	

from which priority is claimed

- is (are) attached.
- ☐ will follow.

8. Fee Calculation (37 C.F.R. 1.16)

CLAIMS AS FILED						
	Number fil	led	Number Extra	Rate	Basic Fee 37 C.F.R. 1.16(a) \$710.00	
Fotal Claims (37 CFR 1.16(c))	9	- 20 =	0	\$ 18.00		
ndependent Claims (37 CFR 1.16(b))	1	- 3 =	0	\$ 80.00		
Multiple dependent claim(f any (37 CFR 1 16(d))	s),		+	\$270.00		

- ☐ A Preliminary Amendment canceling claims is enclosed. The filing fee is calculated based on the number of claims remaining after entry of the Preliminary Amendment.
- Amendment deleting multiple-dependencies is enclosed.
- ☐ Fee for extra claims is not being paid at this time.

Filing Fee Calculation

\$710.00

☐ Charge Account No. 50-1798 in the amount of A duplicate of this transmittal is attached.

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☐ Verified Statement(s) that this is a filing by a small entity under 37 CFR 1.9 and 1.27 is (are) attached. ☐ Status as a small entity was claimed in prior application ______, filed on_ from which benefit is being claimed for this application under:

9. Small Entity Statement(s)

35 U.S.C. 120. □ 121. 365(c).

☐ 119(e).

12. Authorization to Charge Additional Fees

- ☑ The Commissioner is hereby authorized to charge the following additional fees during the entire pendency
 of this application to Account No. 50-1798.
 - 37 C.F.R. 1.16(a), (f) or (g) (filing fees)
 - 37 C.F.R. 1.16(b), (c) and (d) (presentation of extra claims)
 - 37 C.F.R. 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)
 - ☐ 37 C.F.R. 1.17 (application processing fees)
 - ☐ 37 C.F.R. 1.18 (issue fee at or before mailing of Notice of Allowance, pursuant to 37 C.F.R. 1.311(b))

13. Instructions as to Overpayment

- Credit Account No. 50-1798
- ☐ Refund

Respectfully submitted.

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